BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1500000.00

Name of Work: Detailed Estimate for the work of Construction of Cement Concrete road and Improvements of Drains in Kodigehalli Gangabhavani Colony in ward No. 08 (Kodigehalli) Kodigehalli sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 125/ Item No. 19.1/ PWD SR 2013-14	cum							
	Gangabhavani Colony Drain		1	37.00	1.00	0.75	27.75		
			1	45.00	0.90	0.75	30.38		
	Road work		1	75.00	3.70	0.20	55.50		
			1	125.00	3.50	0.20	87.50		
							201.13	**65.88**	**13250.00**
	Basic Rate	61.00							
	Area Weightage @ 8%	4.88							
	Total	**65.88**							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2013-14	cum							
	for culvert		1	5.50	1.35	1.20	8.91		
							8.91	**151.74**	**1352.00**
	Basic Rate	140.50							
	Area Weightage @ 8%	11.24							
	Total	**151.74**							
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2013-	cum							

			Vide Item No. 1+2				210.04	78.24	16432.00
	Basic Rate for loading and unloading	62.20				limited to 95.0			74328
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD	**Cum**							
	for Drain		1	37.00	1.00	0.15	5.55		
			1	45.00	0.90	0.15	6.08		
			1	75.00	3.70	0.15	41.63		
			1	125.00	3.50	0.15	65.63		
	for culvert		1	5.50	1.20	0.15	0.99		
							119.87	**4290.84**	**514322.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2013-14	**Cum**							
	For Drain		1	37.00	0.90	0.10	3.33		
			2	37.00	0.75	0.15	8.33		
			1	45.00	0.90	0.10	4.05		
			2	45.00	0.75	0.15	10.13		
	Culvert		1	5.50	1.20	0.20	1.32		
			2	5.50	0.20	0.90	1.98		
			1	5.50	1.20	0.23	1.52		
							30.65	**5639.76**	**172847.00**

	Basic Rate	5222.00	✓						
	Area Weightage @ 8%	417.76	✓						
	Total	**5639.76**	✓						
6	reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2013-14	**Quintal**							
	for RCC culvert 650Kg/cum		0.650	**30.65**			19.92	✓	✓
				30.65			**19.92**	**7380.72**	**147033.00**
	Basic Rate	6834.00	✓						
	Area Weightage @ 8%	546.72	✓						
	Total	**7380.72**	✓						
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached lasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.31/ PWD SR 2013-14	**sqm**							
	Drain	1x4	4	37.00	0.75		111.00		
	Drain	1x4	4	45.00	0.75		135.00		
		1x4	4	5.50	0.90		19.80		
			1	5.50	1.20		6.60		
			2	5.50	0.23		2.53		
			2	1.20	0.23		0.55	✓	✓ ✓
							275.48	**271.08**	**74678.00**
	Basic Rate	251.00	✓						
	Area Weightage @ 8%	20.08	✓						
	Total	**271.08**	✓						
8	RCC Precast covering slab for drain (10cm thick)	**sqm**							
	missing slabs		2	45.00	0.75		67.50	✓	✓
							67.50	**1245.00**	**84038.00**
	Rate Approved by BBMP	**1245.00**							

9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No. 19/ Item No. 4.48/ PWD SR 2013-14	Cum							
	For Road Work		1	75.00	3.70	0.10	27.75		
			1	125.00	3.50	0.10	43.75		
							71.50	**6464.88**	**462239.00**
	Basic Rate	5986.00							
	Area Weightage @ 8%	478.88							
	Total	**6464.88**							15000.
10	1% of Quality control charges								**10000.00**
11	Miscellaneous charges							780976	**3809.00**
								Total	**1500000.00**

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore

Executive Engineer
Byatarayanapura Division
Bangalore

Technical Sanction for Rs. 15.00 lakhs
Fifteen lakhs only
P-177
Registered as ... Subject to conditions contained in
No. EE/BTP/136/13-14 Dt. 29/10/13
EE (BTP.Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs. 15.00 lakhs
Rupees fifteen lakhs only
Under P-177
Registered as BE( ) No. 3...9...
Subject to conditions contained in
enclosed memo No. JC(yel)/350/13-14
Dt. 30/10/13 Estimate A/Sanction
No.
dated Rs.

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92
30/10/13